

10/533300

JC17 Rec'd PCT/PTO 29 APR 2005

Sequence Listing

&lt;110&gt; IPF Pharmaceuticals GmbH

&lt;120&gt; HF-Chondroosteomodulin, its preparation and use for the treatment and diagnosis of bone and cartilage diseases, obesity and inflammatory diseases and skin diseases

&lt;130&gt; 032440woME/BM

&lt;140&gt; PCT/EP03/11799

&lt;141&gt; 2003-10-24

&lt;160&gt; 16

&lt;170&gt; PatentIn Ver. 2.1

&lt;210&gt; 1

&lt;211&gt; 134

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1

Glu	Leu	Thr	Glu	Ala	Gln	Arg	Arg	Gly	Leu	Gln	Val	Ala	Leu	Glu	Glu
1				5				10						15	

Phe	His	Lys	His	Pro	Pro	Val	Gln	Trp	Ala	Phe	Gln	Glu	Thr	Ser	Val
			20					25					30		

Glu	Ser	Ala	Val	Asp	Thr	Pro	Phe	Pro	Ala	Gly	Ile	Phe	Val	Arg	Leu
		35					40					45			

Glu	Phe	Lys	Leu	Gln	Gln	Thr	Ser	Cys	Arg	Lys	Arg	Asp	Trp	Lys	Lys
	50					55					60				

Pro	Glu	Cys	Lys	Val	Arg	Pro	Asn	Gly	Arg	Lys	Arg	Lys	Cys	Leu	Ala
65					70					75				80	

Cys	Ile	Lys	Leu	Gly	Ser	Glu	Asp	Lys	Val	Leu	Gly	Arg	Leu	Val	His
			85						90					95	

Cys	Pro	Ile	Glu	Thr	Gln	Val	Leu	Arg	Glu	Ala	Glu	Glu	His	Gln	Glu
			100					105					110		

Thr	Gln	Cys	Leu	Arg	Val	Gln	Arg	Ala	Gly	Glu	Asp	Pro	His	Ser	Phe
		115					120					125			

Tyr	Phe	Pro	Gly	Gln	Phe
					130

&lt;210&gt; 2

&lt;211&gt; 1186

&lt;212&gt; DNA

&lt;213&gt; Artificial sequence

<220>

<223> Description of artificial sequence: GORI-28 cDNA

<400> 2

```
tggtccctgt cttctcttgc agagaatgga ggatgaagat tacaacactt ccatcagtta 60
cggatgatgaa taccctgatt atttagactc cattgtgggt ttggaggact tatccccctt 120
ggaagccagg gtgaccagga tcttctctgt ggtgggtctac agcatcgtct gcttcctcgg 180
gattctgggc aatgggtctgg tgatcatcat tgccaccttc aagatgaaga agacagtga 240
catgggtctgg ttcctcaacc tggcagtggc agatttctctg ttcaacgtct tcctcccaat 300
ccatatcacc tatgccgcca tggactacca ctgggttttc gggacagcca tgtgcaagat 360
cagcaacttc cttctcatcc acaacatggt caccagcgct tcctgctga ccatcatcag 420
ctctgaccgc tgcattctctg tgctcctccc tgtctgggtc cagaaccacc gcagcggttcg 480
cctggcttac atggcctgca tggatcatctg ggtcctgggt ttcttcttga gttccccatc 540
tctcgtcttc cgggacacag ccaacctgca tgggaaaata tctgcttca acaacttcag 600
cctgtccaca cctgggtctt cctcgtggcc cactcactcc caaatggacc ctgtggggta 660
tagccggcac atggtgggtga ctgtcaccgc cttcctctgt ggcttcctgg tcccagtcct 720
catcatcaca gcttgctacc tcaccatcgt gtgcaaactg cagcgcaacc gcctggccaa 780
gaccaagaag cccttcaaga ttattgtgac catcatcatt accttcttcc tctgctgggtg 840
cccctaccac aactcaacc tcctagagct ccaccacact gccatgcctg gctctgtctt 900
cagcctgggt ttgcccctgg ccaactgccct tgccattgcc aacagctgca tgaaccccat 960
tctgtatggt ttcattgggtc aggacttcaa gaagttcaag gtggccctct tctctcgct 1020
ggtaaatgct ctaagtgaag atacaggcca ctcttcctac cccagccata gaagctttac 1080
caagatgtca tcaatgaatg agaggacttc tatgaatgag agggagaccg gcatgctttg 1140
atcctcactg tgaacccct caatggactc tctcaaccca gggaca 1186
```

<210> 3

<211> 18

<212> DNA

<213> Artificial sequence

<220>

<223> Description of artificial sequence: Primer  
TIG2oli1

<400> 3

gccagggatga cacggaag 18

<210> 4

<211> 17

<212> DNA

<213> Artificial sequence

<220>

<223> Description of artificial sequence: Primer  
TIGoli2

<400> 4

gaggcaccac gcagctc 17

<210> 5

<211> 33

<212> DNA

<213> Artificial sequence

<220>  
<223> Description of artificial sequence: Primer  
COMoli1

<400> 5  
ctctcgagaa aagagagctc acggaagccc agc 33

<210> 6  
<211> 34  
<212> DNA  
<213> Artificial sequence

<220>  
<223> Description of artificial sequence: Primer  
COMoli2

<400> 6  
ttgtcgactt agaactgtcc agggaagtag aagc 34

<210> 7  
<211> 23  
<212> DNA  
<213> Artificial sequence

<220>  
<223> Description of artificial sequence: Primer  
mDEZoli1

<400> 7  
ggccatgtgc aagatcagca act 23

<210> 8  
<211> 23  
<212> DNA  
<213> Artificial sequence

<220>  
<223> Description of artificial sequence: Primer  
mDEZoli2

<400> 8  
agaatgggggt tcatgcagct gtt 23

<210> 9  
<211> 21  
<212> DNA  
<213> Artificial sequence

<220>  
<223> Description of artificial sequence: Primer  
mDEZoli3

<400> 9  
tctacaacgg tggaacagtg a 21

<210> 10  
<211> 19  
<212> DNA  
<213> Artificial sequence

<220>  
<223> Description of artificial sequence: Primer  
mDEZoli4

<400> 10  
aagaaagcca ggacccaga 19

<210> 11  
<211> 22  
<212> DNA  
<213> Artificial sequence

<220>  
<223> Description of artificial sequence: Primer  
hDEZ-a-Oli5

<400> 11  
cagacaacat aacggtgaat ga 22

<210> 12  
<211> 19  
<212> DNA  
<213> Artificial sequence

<220>  
<223> Description of artificial sequence: Primer  
hDEZ-a-Oli4

<400> 12  
aagaaagcca ggacccaga 19

<210> 13  
<211> 23  
<212> DNA  
<213> Artificial sequence

<220>  
<223> Description of artificial sequence: Primer  
hDEZoli3

<400> 13  
gcacagcatc acttctacca ctt 23

<210> 14  
<211> 22  
<212> DNA  
<213> Artificial sequence

<220>

<223> Description of artificial sequence: Primer  
hDEZoli2

<400> 14

ctgtagacca ccaccaggaa ga

22

<210> 15

<211> 20

<212> DNA

<213> Artificial sequence

<220>

<223> Description of artificial sequence: Primer  
GORI28oli1

<400> 15

tggtccctgt cttctcttgc

20

<210> 16

<211> 20

<212> DNA

<213> Artificial sequence

<220>

<223> Description of artificial sequence: Primer  
GORI28oli2

<400> 16

tggtccctggg ttgagagagt

20